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\*Admitted only in Virginia  
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Federal Agencies

June 16, 2004

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Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

**Art Unit 3752**

Re: U.S. Utility Patent Application  
Application No. 10/726,482; Filed: December 4, 2003  
For: **Injection Molding Nozzle with Embedded and Removable Heaters**  
Inventor: George Olaru  
Our Ref: 2107.0340001/TUM

Sir:

Transmitted herewith for appropriate action are the following documents:

1. Information Disclosure Statement;
2. Form PTO/SB/08a (7 sheets) listing 130 cited documents (AA1-AR1, BA1-BF1, AA2-AR2, BA2-BF2, AA3-AR3, BA3-BF3, AA4-AR4, BA4-BC4, AA5-AR5, AA6-AR6 and AA7);
3. A copy of the cited foreign patent documents (BA1-BF1, BA2-BF2, BA3-BF3 and BA4-BC4); and
4. One (1) return postcard.

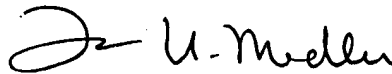
It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Commissioner for Patents  
June 16, 2004  
Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Teresa U. Medler  
Attorney for Applicant  
Registration No. 44,933

TUM/BKB:kim  
Enclosures

275600.1



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

George Olaru

Appl. No.: 10/726,482

Filed: December 4, 2003

For: **Injection Molding Nozzle with  
Embedded and Removable Heaters**

Confirmation No.: 7525

Art Unit: 3752

Examiner: *To Be Assigned*

Atty. Docket: 2107.0340001/TUM

**Information Disclosure Statement**

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO/SB/08a are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicant has listed publication dates on the attached PTO/SB/08a based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicant reserves the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

Applicant has checked the appropriate boxes below.

- ☐ 1. Statement under 37 C.F.R. 1.704(d). Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this information disclosure statement.
- ☒ 2. Filing under 37 C.F.R. § 1.97(b). This Information Disclosure Statement is being filed within three months of the date of filing of a national application other than a continued prosecution application (CPA), OR within three months of the date of entry of the national stage as set forth in 37 C.F.R. § 1.491 in an international application, OR before the mailing date of a first Office Action on the merits OR before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No statement or fee is required.
- ☐ 3. Filing under 37 C.F.R. § 1.97(c). This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, or Notice of Allowance, or an action that otherwise closes prosecution in the application.

- ☐ a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).
- ☐ b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).
- ☐ c. Attached is our PTO-2038 Credit Card Payment Form in the amount of \$\_\_\_\_\_ in payment of the fee under 37 C.F.R. § 1.17(p).
- ☐ 4. Filing under 37 C.F.R. § 1.97(d) This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Enclosed find our PTO-2038 Credit Card Payment Form in the amount of \$\_\_\_\_\_ in payment of the fee under 37 C.F.R. § 1.17(p); in addition:
- ☐ a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign

application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).

- ☐ b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).
- ☐ 5. The document(s) was/were cited in a search report by a foreign patent office in a counterpart foreign application. Submission of an English language version of the search report that indicates the degree of relevance found by the foreign office is provided in satisfaction of the requirement for a concise explanation of relevance. 1138 OG 37, 38.
- ☒ 6. A concise explanation of the relevance of the non-English language documents BF1, BA3, BC3, BE3, BA4, and BB4 is provided by the English abstract attached thereto. The relevance of documents BA2 and BB2 is in the figures thereof.
- ☒ 7. Copies of the documents BA1-BF1, BA2-BF2, BA3-BF3 and BA4-BC4 are submitted herewith.
- ☐ 8. Copies of the documents were cited by or submitted to the Office in an IDS that complies with 37 C.F.R. § 1.98(a)-(c) in Application No. \_\_\_\_\_, filed

\_\_\_\_\_, which is relied upon for an earlier filing date under 35 U.S.C.

§ 120. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).

- ☒ 9. No copies of U.S. patents and patent application publications cited on the attached Form PTO/SB/08a are submitted in accordance with 1276 OG 55 because this application was filed after June 30, 2003.

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO/SB/08a, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

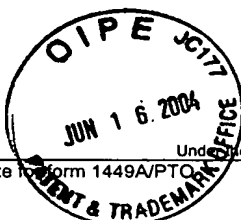
STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Teresa U. Medler  
Attorney for Applicant  
Registration No. 44,933

Date: June 16, 2004

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Substitute Form 1449A/PTO			<b>Complete If Known</b>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)			Application Number	10/726,482	
			Filing Date	December 4, 2003	
			First Named Inventor	George Olaru	
			Art Unit	3752	
			Examiner Name	To Be Assigned	
Sheet	1	of	7	Attorney Docket Number	2107.0340001/TUM

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (If Known)			
	AA1	US-2,088,586	08-03-1937	Cole <i>et al.</i>	
	AB1	US-2,378,530	06-19-1945	Bailie <i>et al.</i>	
	AC1	US-2,522,365	09-12-1950	Greene	
	AD1	US-2,769,201	11-06-1956	Lorenian	
	AE1	US-2,794,504	06-04-1957	Carpenter	
	AF1	US-2,814,070	11-26-1957	Bulkley <i>et al.</i>	
	AG1	US-2,875,312	02-24-1959	Norton	
	AH1	US-2,987,300	06-06-1961	Greene	
	AI1	US-2,991,423	07-04-1961	Vackar	
	AJ1	US-3,062,940	11-06-1962	Bauer <i>et al.</i>	
	AK1	US-3,550,267	12-29-1970	Williams	
	AL1	US-3,553,788	01-12-1971	Putkowski	
	AM1	US-3,677,682	07-18-1972	Putkowski	
	AN1	US-3,800,027	03-26-1974	Tsutsumi	
	AO1	US-3,812,323	05-21-1974	Pink	
	AP1	US-3,831,004	08-20-1974	Wallstrom	
	AQ1	US-3,849,630	11-19-1974	Halliday	
	AR1	US-3,911,251	10-07-1975	Day	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>4</sup> Kind Code <sup>5</sup> (in known)				
	BA1	DE 195 22 716 C1	09-16-1996	Schwarzkopf		
	BB1	DE 196 01 102 A1	07-17-1997	Boehmer		
	BC1	DE 197 23 374 A1	12-18-1997	Drach		
	BD1	DE 199 41 038 A1	03-01-2001	Gunther		
	BE1	DE 33 24 901 A1	01-24-1985	Schwarzkopf		
	BF1	DE 42 42 505 A1	06-23-1994	Schwarzkopf		

Examiner Signature	Date Considered
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)			<b>Complete If Known</b>		
			Application Number	10/726,482	
			Filing Date	December 4, 2003	
			First Named Inventor	George Olaru	
			Art Unit	3752	
			Examiner Name	To Be Assigned	
Sheet	2	of	7	Attorney Docket Number	2107.0340001/TUM

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (If Known)			
	AA2	US-3,912,907	10-14-1975	Lodi	
	AB2	US-3,970,821	07-20-1976	Crandell	
	AC2	US-4,032,046	06-28-1977	Elliott <i>et al.</i>	
	AD2	US-4,120,086	10-17-1978	Crandell	
	AE2	US-4,238,671	12-09-1980	Gellert	
	AF2	US-4,268,241	05-19-1981	Rees <i>et al.</i>	
	AG2	US-4,304,544	12-08-1981	Crandell	
	AH2	US-4,373,132	02-08-1983	Vartanian	
	AI2	US-4,376,244	03-08-1983	Gellert	
	AJ2	US-4,386,262	05-31-1983	Gellert	
	AK2	US-4,403,405	09-13-1983	Gellert	
	AL2	US-4,438,064	03-20-1984	Tsutsumi	
	AM2	US-4,438,322	03-20-1984	Sylvia	
	AN2	US-4,451,974	06-05-1984	Gellert	
	AO2	US-4,485,387	11-27-1984	Drumheller	
	AP2	US-4,492,556	01-08-1985	Crandell	
	AQ2	US-4,501,550	02-26-1985	Nukkuni	
	AR2	US-4,516,927	05-14-1985	Yoshida	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>4</sup> Kind Code <sup>5</sup> (in known)				
	BA2	DE 86 20 956.6 U1	11-27-1986	Unknown		
	BB2	DE 92 01 797.5 U1	05-21-1992	Unknown		
	BC2	EP 1 252 998 A2 & A3	10-30-2002	Bazzo <i>et al.</i>		
	BD2	EP 1 302 295 A3	05-21-2003	Babin <i>et al.</i>		
	BE2	EP 0 444 748 A1	09-04-1991	Van Boekel		
	BF2	EP 0 590 621 A1	04-06-1994	Schmidt		

Examiner Signature		Date Considered	
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)			<b>Complete If Known</b>		
			Application Number	10/726,482	
			Filing Date	December 4, 2003	
			First Named Inventor	George Olaru	
			Art Unit	3752	
			Examiner Name	To Be Assigned	
Sheet	3	of	7	Attorney Docket Number	2107.0340001/TUM

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (If Known)			
	AA3	US-4,557,685	12-10-1985	Gellert	
	AB3	US-4,583,284	04-22-1986	Gellert	
	AC3	US-4,588,367	05-13-1986	Schad	
	AD3	US-4,621,251	11-04-1987	Keefe	
	AE3	US-4,635,851	01-13-1987	Zeeman	
	AF3	US-4,641,423	02-10-1987	Crandell	
	AG3	US-4,643,664	02-17-1987	Yoshida	
	AH3	US-4,644,140	02-17-1987	Hillinger	
	AI3	US-4,652,230	03-24-1987	Osuna-Diaz	
	AJ3	US-4,704,516	11-03-1987	Tsutsumi	
	AK3	US-4,711,625	12-08-1987	Knauer <i>et al.</i>	
	AL3	US-4,740,674	04-26-1988	Tsutsumi	
	AM3	US-4,768,283	09-06-1988	Gellert	
	AN3	US-4,771,164	09-13-1988	Gellert	
	AO3	US-4,795,126	01-03-1989	Crandell	
	AP3	US-4,837,925	06-13-1989	Gellert	
	AQ3	US-4,865,535	09-12-1989	Gellert	
	AR3	US-4,882,469	11-21-1999	Trakas	

FOREIGN PATENT DOCUMENTS						
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		Country Code <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	BA3	EP 0 724 943 A1	08-07-1996	Guenther		
	BB3	EP 0 748 678 A1	12-18-1996	Vorkoeper <i>et al.</i>		
	BC3	EP 0 765 728 A2 & A3	04-02-1997	Blank <i>et al.</i>		
	BD3	EP 0 963 829 A1	12-15-1999	Godwin <i>et al.</i>		
	BE3	FR 2 497 477 A1	07-09-1982	Hillinger		
	BF3	GB 2 044 162 A	10-15-1980	Gellert		

Examiner Signature		Date Considered	
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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)			<b>Complete If Known</b>		
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Sheet	4	of	7	Attorney Docket Number	2107.0340001/TUM

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (If Known)			
	AA4	US-4,894,197	01-16-1990	Tsutsumi	
	AB4	US-4,899,435	02-13-1990	Trakas	
	AC4	US-4,906,360	03-06-1990	Trakas	
	AD4	US-4,911,636	03-27-1990	Gellert	
	AE4	US-4,940,870	07-10-1990	Shibata <i>et al.</i>	
	AF4	US-4,945,630	08-07-1990	Gellert	
	AG4	US-4,981,431	01-01-1991	Schmidt	
	AH4	US-4,988,848	01-29-1991	Trakas	
	AI4	US-5,046,942	09-10-1991	Gellert	
	AJ4	US-5,051,086	09-24-1991	Gellert	
	AK4	US-5,052,100	10-01-1991	Trakas	
	AL4	US-5,055,028	10-08-1991	Trakas	
	AM4	US-5,098,280	03-24-1992	Trakas	
	AN4	US-5,113,576	05-19-1992	van Boekel <i>et al.</i>	
	AO4	US-5,136,141	08-04-1992	Trakas	
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	AQ4	US-5,147,663	09-15-1992	Trakas	
	AR4	US-5,180,594	01-19-1993	Trakas	

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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>4</sup> Kind Code <sup>5</sup> (in known)				
	BA4	JP 64-58518	03-06-1989	Miyauchi		
	BB4	JP 7-323442 A	12-12-1995	Masashi		
	BC4	WO 01/15884 A2	03-08-2001	Van Boekel		

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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)			<b>Complete If Known</b> Application Number Filing Date First Named Inventor Art Unit Examiner Name Attorney Docket Number		
			10/726,482 December 4, 2003 George Olaru 3752 To Be Assigned 2107.0340001/TUM		
Sheet	5	of	7		

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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	AB5	US-5,226,596	07-13-1993	Okamura	
	AC5	US-5,235,737	08-17-1993	Gellert	
	AD5	US-5,266,023	11-30-1993	Renwick	
	AE5	US-5,282,735	02-01-1994	Gellert	
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	AQ5	US-5,820,900	10-13-1998	McGrevy	
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		Country Code <sup>4</sup> Kind Code <sup>5</sup> (in known)				

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete If Known</b> Application Number: 10/726,482 Filing Date: December 4, 2003 First Named Inventor: George Olaru Art Unit: 3752 Examiner Name: To Be Assigned Attorney Docket Number: 2107.0340001/TUM	
Sheet	6	of	7		

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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	AB6	US-5,955,120	09-21-1999	Deissler	
	AC6	US-5,973,296	10-26-1999	Juliano <i>et al.</i>	
	AD6	US-6,040,528	03-21-2000	Kitamura, <i>et al.</i>	
	AE6	US-6,043,466	03-28-2000	Jenko <i>et al.</i>	
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	AP6	US-6,609,902	08-26-2003	Blais	
	AQ6	US-6,619,948	09-16-2003	Gunther	
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